



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5370-1**Job Sheet 197233****Part No:** D5370-1**Job Qty:** 20 pcs**Part Name:** Fitting**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 7/3/19**Job Tracking No:****Due Date:** 7/22/19**Created By:** Marie Lajeunesse**Type:** SOLD**Description:**

Note: D5370 REV:C IPP REV:A NEW ISSUE 16-02-01 VERIFIED BY:DD IPP REV:B 17.09.15 AS PER DWG B DD
VERF:DP IPP REV:C 18.04.04 AS PER DWG REV:C DD VERF:JFS

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	20 pcs	7/22/19	7/22/19	0.00	0.00	Purchasing - 1 Purchasing - 2 Purchasing - 3	JUL 08 2019
110	Packaging 2-1 - Receive - B4B	20 pcs	7/22/19	7/22/19	0.00	0.00	Packaging 2 - 1 - B4B Packaging 2 - 2 - B4B Packaging 2 - 3 - B4B Packaging 2 - 5 - B4B Packaging 2 - 4 - B4B Packaging 2 - 6 - B4B Packaging 2 - 7 - B4B Packaging 2 - 8 - B4B Packaging 2 - 9 - B4B Packaging 2 - 10 - B4B Packaging 2 - 11 - B4B Packaging 2 - 12 - B4B Packaging 2 - 13 - B4B Packaging 2 - 14 - B4B Packaging 2 - 15 - B4B Packaging 2 - 16 - B4B Packaging 2 - 17 - B4B Packaging 2 - 18 - B4B Packaging 2 - 19 - B4B Packaging 2 - 20 - B4B Packaging 2 - 21 - B4B Packaging 2 - 22 - B4B Packaging 2 - 23 - B4B Packaging 2 - 24 - B4B Packaging 2 - 25 - B4B Packaging 2 - 26 - B4B Packaging 2 - 27 - B4B	JUL 08 2019

**Container No:** S196373

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Part: D5370-1**Job No:** 197233**Serial No/Batch:** S196373**Revision:** C**Inspector:****Exp Date:****Instructions:** Various STC's

Date: 07/08/19

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120	QC 6	20 pcs	7/22/19	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	
130	HAAS 5 Axis - B4B	20 pcs	7/22/19	0.75 4.42	HAAS - 5 - B4B	
140	QC 2	20 pcs	7/22/19	0.00 0.00	QC 2 - 1	
					QC 2 - 12	
					QC 2 - 14	
					QC 2 - 17	
					QC 2 - 19	
					QC 2 - 2	
					QC 2 - 20	
					QC 2 - 22	
					QC 2 - 23	
					QC 2 - 25	
					QC 2 - 32	
					QC 2 - 33	
					QC 2 - 35	
					QC 2 - 39	
					QC 2 - 4	
					QC 2 - 40	
					QC 2 - 44	
					QC 2 - 45	
					QC 2 - 48	
					QC 2 - 49	
					QC 2 - 50	
					QC 2 - 51	
					QC 2 - 52	
					QC 2 - 57	
					QC 2 - 62	
					QC 2 - 63	
					QC 2 - 8	
					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
150	QC 8	20 pcs	7/22/19	0.00 0.00	QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					Plex 7/3/19 10:37 AM Dart.lajeunesse.marie	

DAS

40

JUL 08 2019 9-89

19-08-06

19-08-06

19/08/18

				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
160	Packaging 3-1 - Stock - B4B	20 pcs	7/22/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
170	QC 21 - SA	20 pcs	7/22/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

Dc 5+159

AUG 19 2019 DAS 77 9-89

Part Op 100 - ISSUE P/O: _____ VENDOR: MCMASTE CARR VENDOR PN: 50715K832 C OF C IS REQUIRED

Descriptions: 110 - (Receive & Inspect for Damage & Mat'l Certs)

120 - (QC6- All purchased or subcontracted products)

130 - (HAAS CNC vertical machine #5), DRILL LOCKWIRE HOLES AS PER DWG SECTION A-A

140 - (QC2- Inspect parts off machine FAI/FAIB)

150 - (QC8- Inspect parts - second check)

160 - (Identify as per dwg & Stock Location: _____)
170 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
50715K832	37° Flared Tube Fitting, SS D5370-1	20 Ea (1 ea)	100-Purchasing	SL96368

Job Allocations

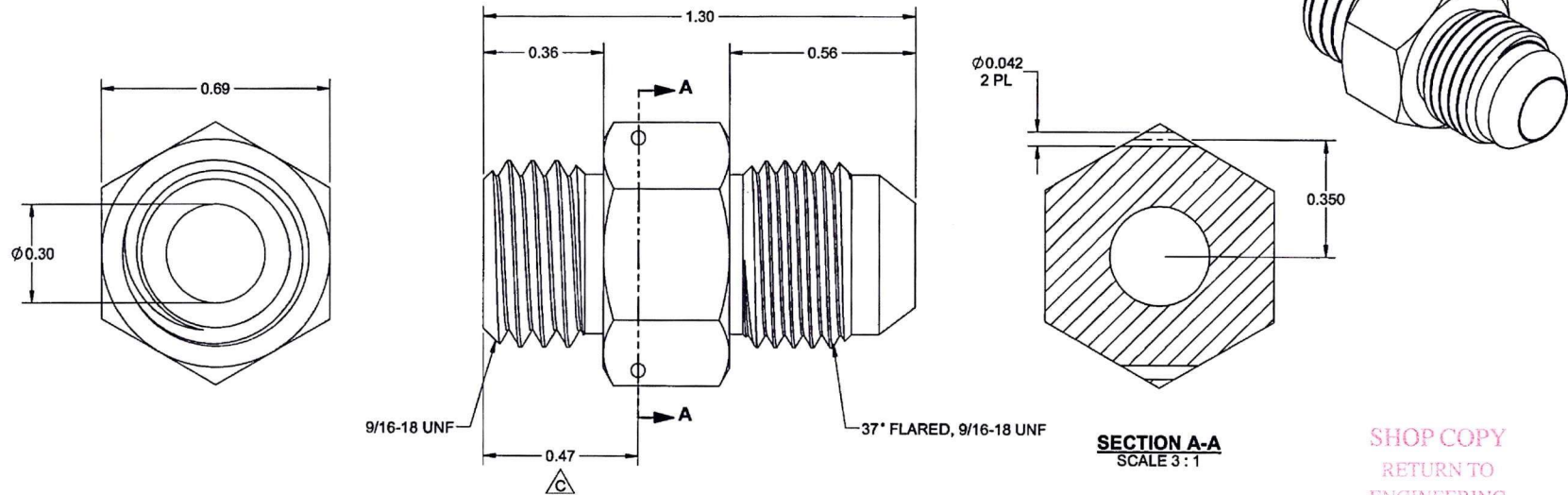
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	50715K832	20	0	0

Part Specifications

Specifications could not be found.

Plex 7/3/19 10:37 AM Dart.lajeunesse.marie

SPECIFICATION CONTROL DRAWING



SECTION A-A
SCALE 3:1

DART PN	DESCRIPTION	TUBE O.D.	VENDOR	VENDOR PN	MATERIAL	WEIGHT	ALTERNATIVE P/N
D5370-1	37 DEGREE FLARED TUBE FITTING	3/8	MCMaster-CARR	50715K832	316 S.S.	0.07 LBS	MS21900K6

D5370-1 ADAPTER

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 197233 MLC
19-07-03

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.7
- 7) WEIGHT: SEE TABLE
- 8) ADD LOCKWIRE HOLES PER SECTION A-A

RELEASED

2018 APR 02
EN 18-655

C	REVISED VENDOR PN, WAS 50715K677. REVISED LOCKWIRE HOLE LOCATION, WAS 0.55	WK	18.03.08
B	REVISED FITTING SIZE	WK	17.09.07
A	NEW ISSUE	CC	16.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA INC EUGENE, OREGON, USA	
DRAWN	WK		
CHECKED	RF		
MFG. APPR.	JFS		
APPROVED	HS		
DE APPR.	DS	DRAWING NO. D5370 TITLE ADAPTER	
DATE	18.03.08	REV. C SHEET 1 OF 1 SCALE NTS	

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043909



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043909

PO Date: 7/3/19

Due Date: 7/5/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
2019-07-03

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		90854A164	25/pk	Zinc Yellow-Chromate Plated Steel Hex Head Screw, High-Strength, M8 x 1.25 mm Thread, 20 mm Long	Firmed	-	7/5/19	25 Ea	0 Ea	25 Ea	\$0.3144/Ea	\$7.86
								25 X JUL 08 2019				
2		92290A108	25/pk	SS 316 Socket Head Screw M3 X 0.5 mm X 4 mm Long	Firmed	-	7/5/19	25 Ea	0 Ea	25 Ea	\$0.2216/Ea	\$5.54
								25 X JUL 08 2019				
3		92497A400	100/pk	High-Strength Steel Hex Nut, Class 10, Zinc Yellow-Chromate Plated, M8 x 1.25 mm Thread	Firmed	-	7/5/19	100 Ea	0 Ea	100 Ea	\$0.1426/Ea	\$14.26
								100 X JUL 08 2019				
4		93600A697	5/pk	SS316 Dowel Pin 8 mm Dia. X 20 mm Long	Firmed	-	7/5/19	5 Ea	0 Ea	5 Ea	\$1.686/Ea	\$8.43
								5 X JUL 08 2019				
5		9559K41	10/pk	O-Ring	Firmed	-	7/5/19	10 Ea	0 Ea	10 Ea	\$1.268/Ea	\$12.68
								10 X JUL 08 2019				
6		98381A686	1/pk	Steel Dowel Pin 3/8" Diameter X 2-5/8" Long	Firmed	-	7/5/19	3 Ea	0 Ea	3 Ea	\$4.75/Ea	\$14.25
7		98381A644	1/pk	Steel Dowel Pin 3/8" Diameter X 5" Long	Firmed	-	7/5/19	2 Ea	0 Ea	2 Ea	\$9.42/Ea	\$18.84
								2 X JUL 08 2019				



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PURCHASE ORDER

POHB043909



Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
8		MT-O1-R3.250	89905K43 - 3ft len	AlSi O1 Tool Steel Round Bar, 3.250" Diameter	Firmed	-	7/5/19	3 ft	0 ft	3 ft	\$106.56/ft	\$319.68
9		9542K372	1/pk; 5ft len	Antistatic, Slippery UHMW Polyethylene Bar, 2-1/2" Wide X 1/2" Thick	Firmed	-	7/5/19	5 Ea	0 Ea	5 Ea	\$8.67/Ea	\$43.35
10	197237	50715K676		Flared Tube Fitting SS D5530-1 : AS PER DWG D5530 REV. A receive ea	Firmed	-	7/5/19	12 pcs	0 pcs	12 pcs	\$8.27/pcs	\$99.24
								7 X JUL 08 2019			8.50	102.00
								5 X JUL 08 2019				
11	197233	50715K832	50715K832	37° Flared Tube Fitting, SS D5370-1 : AS PER DWG D5370 REV. C	Firmed	-	7/5/19	20 Ea	0 Ea	20 Ea	\$10.05/Ea	\$201.00
								20 X JUL 08 2019				
12	197232	6718K52		Fitting, Quick Disconnect D4182-1 : AS PER DWG D4182 REV. B	Firmed	-	7/5/19	10 pcs	0 pcs	10 pcs	\$5.98/pcs	\$59.80
								10 X JUL 08 2019				
Grand Total:											\$804.93	

Order Notes

Procurement Quality Clauses
 A005 RIGHT OF ENTRY
 A016 PERSONNEL QUALIFICATION
 A026 CERTIFICATION OF MATERIAL CONFORMANCE
 A032 DOCUMENT SPECIAL REQUIREMENTS
 A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
 A040 NOTIFICATION OF QUALITY ESCAPE
 A041 QUALITY MANAGEMENT SYSTEM
 A042 DART NOTIFICATION BY SUPPLIER
 A043 RETENTION OF QUALITY DOCUMENTS
 A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
 A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/3/19 1:45 PM Dart.Guerin.Kimberley



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: N/A

Purchase Order
POHB043909
Order Placed By
Kimberley Guerin
McMaster-Carr Number
6768756-04

Page 1 of 1
07/03/2019

Line	Product	Ordered	Shipped
1	90854A164 Zinc Yellow-Chromate Plated Steel Hex Head Screw, High-Strength, M8 x 1.25 mm Thread, 20 mm Long, Packs of 25	1 Pack	1 ✓
2	92290A108 Super-Corrosion-Resistant 316 Stainless Steel Socket Head Screw, M3 x 0.5 mm Thread, 4 mm Long, Packs of 25	1 Pack	1 ✓
3	92497A400 High-Strength Steel Hex Nut, Class 10, Zinc Yellow-Chromate Plated, M8 x 1.25 mm Thread, Packs of 100	1 Pack	1 ✓
4	93600A697 316 Stainless Steel Dowel Pin, 8mm Diameter, 20mm Long, Packs of 5	1 Pack	1 ✓
5	9559K41 Ultra-Chemical-Resistant Rigid PTFE O-Ring, 1/8 Fractional Width, Dash Number 219, Packs of 10	1 Pack	1 ✓
7	98381A644 Dowel Pin, 4140 Alloy Steel, 3/8" Diameter, 5" Long, Packs of 1	2 Packs	2 ✓
10	50715K831 37 Degree Flared Fitting for Stainless Steel Tubing, Adapter for 1/4" Tube OD x 7/16"-20 UNF Male, Replaces 50715K676, Which Is No Longer Available	12 Each	7 ✓
11	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Adapter for 3/8" Tube OD x 9/16"-18 UNF Male	20 Each	20 ✓ DAS 40 9-89
12	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	10 Each	10 ✓

Shipped separately from our Chicago warehouse on 07/03

8	89905K43 Oversized Multipurpose O1 Tool Steel Rod, 3-1/4" Diameter, 3 Feet Long	1 Each	1
9	9542K372 Antistatic Slippery UHMW Polyethylene Bar, 2-1/2" x 5 Feet x 1/2"	1 Each	1
10	50715K831 37 Degree Flared Fitting for Stainless Steel Tubing, Adapter for 1/4" Tube OD x 7/16"-20 UNF Male	12 Each	5

Expected to ship

6	98381A686 Dowel Pin, 4140 Alloy Steel, 3/8" Diameter, 2-5/8" Long	3 Packs	3 Jul 10-22
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RECEIVED

JUL 04 2019

DART AEROSPACE LTD.

